

Infant Mortality

TITLE V INDICATOR TEMPLATE

INDICATOR: Infant Mortality Rate

DEFINITION: The number of infant deaths occurring at less than 365 days of age per 1,000 live births

NUMERATOR: The number of infant deaths occurring at less than 365 days of age, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVE:

Reduce the infant mortality rate to no more than 6.0 per 1,000 live births.
(Baseline: 6.7 per 1,000 live births in 2006) (Objective MICH-1.3)

RISK FACTORS:

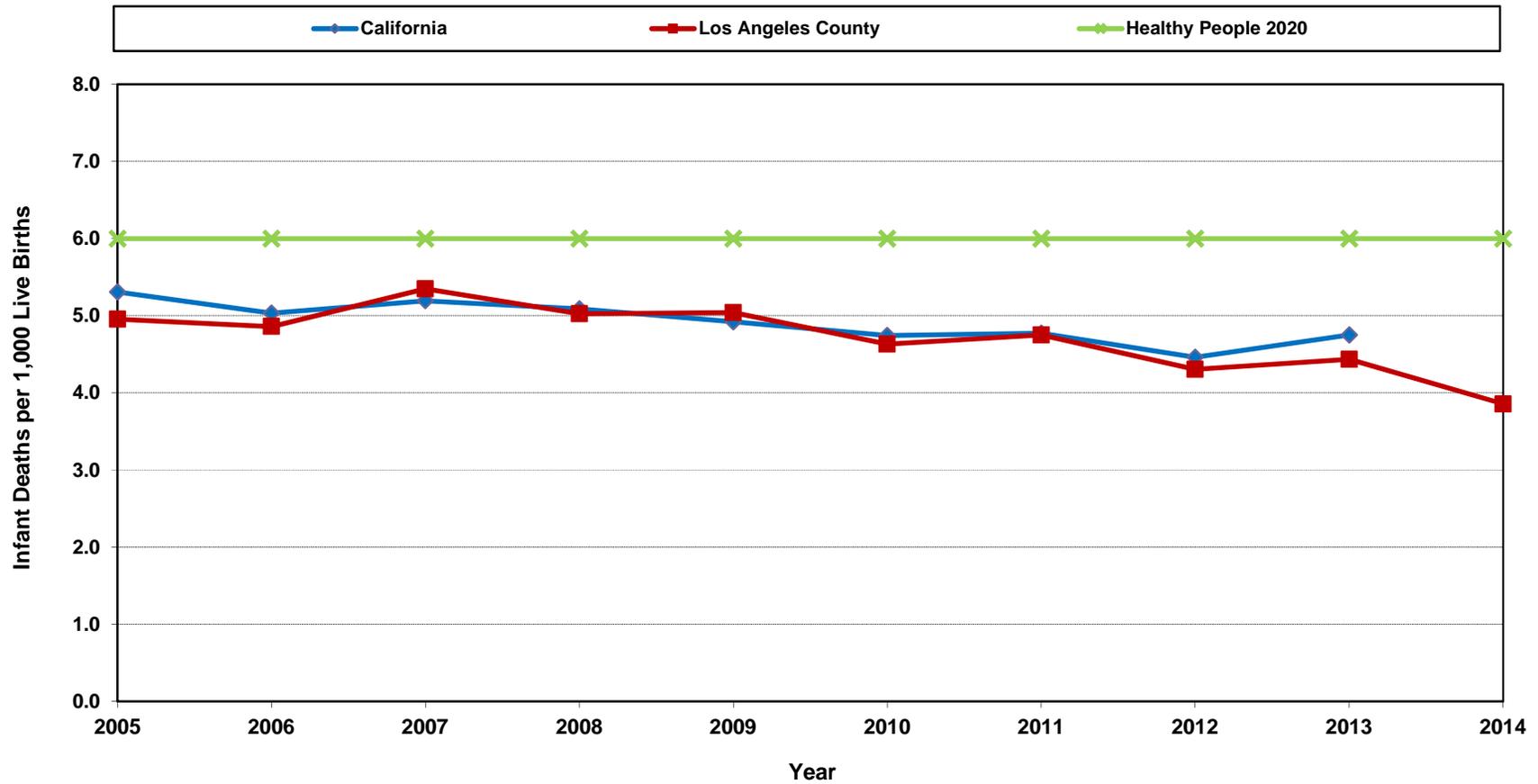
Race/ethnicity; prematurity/disorders related to short gestation; low birth weight; congenital anomalies; young maternal age; low maternal education level; maternal tobacco use; maternal alcohol or substance use/abuse; poor maternal nutrition; inadequate prenatal care; unintended pregnancy; maternal psychosocial problems; maternal medical complications/chronic illness during pregnancy (including diabetes); pregnancy complications; short interpregnancy interval; injury (including domestic violence); infection; respiratory distress syndrome; family history of SIDS

Year	California				Los Angeles County			
	Infant Mortality		95% Confidence Interval		Infant Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
2005	2,913	5.3	5.1	5.5	745	5.0	4.6	5.3
2006	2,829	5.0	4.8	5.2	738	4.9	4.5	5.2
2007	2,941	5.2	5.0	5.4	812	5.3	5.0	5.7
2008	2,806	5.1	4.9	5.3	742	5.0	4.7	5.4
2009	2,593	4.9	4.7	5.1	704	5.0	4.7	5.4
2010	2,419	4.7	4.6	4.9	617	4.6	4.3	5.0
2011	2,397	4.8	4.6	5.0	619	4.8	4.4	5.1
2012	2,247	4.5	4.3	4.6	567	4.3	4.0	4.7
2013	2,348	4.7	4.6	4.9	570	4.4	4.1	4.8
2014	#N/A	#N/A	#N/A	#N/A	502	3.9	3.5	4.2

Denominator: Live Births		
Year	California	LA County
2005	548,700	150,377
2006	562,157	151,837
2007	566,137	151,813
2008	551,567	147,684
2009	526,774	139,679
2010	509,979	133,160
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	128,526
2014	502,973	130,150

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014

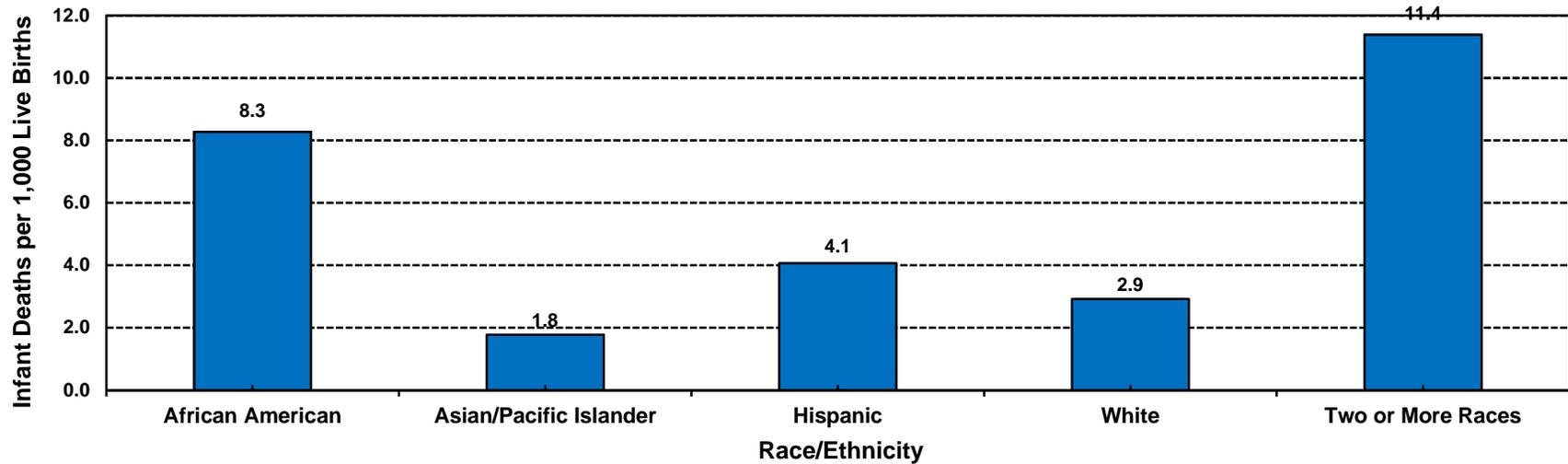
Infant Deaths per 1,000 Live Births California vs. Los Angeles County, 2005-2014



Year 2020 Objective: Reduce the infant mortality rate to no more than 6.0 per 1,000 live births.

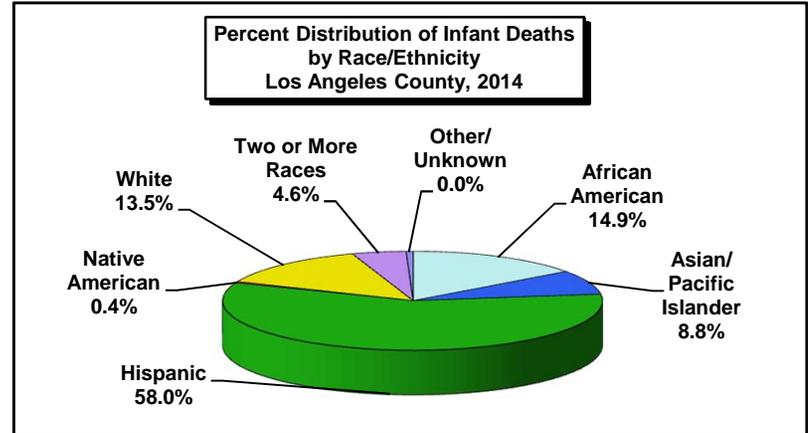
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014

Infant Mortality Rate by Race/Ethnicity Los Angeles County, 2014



Los Angeles County, 2014				
Race/Ethnicity	Infant Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	75	8.3	6.4	10.1
Asian/Pacific Islander	40	1.8	1.2	2.3
Hispanic	291	4.1	3.6	4.5
Native American	<5	N/C	N/C	N/C
White	68	2.9	2.2	3.6
Two or More Races	23	11.4	6.8	16.0
Other/Unknown	<5	N/C	N/C	N/C
Total	502	3.9	3.5	4.2

Total Live Births
9,069
22,586
71,566
143
23,327
2,020
1,439
130,150



Year 2020 Objective: Reduce the infant mortality rate to no more than 6.0 per 1,000 live births.

Note: Infant mortality rate is defined as infant deaths occurring less than 365 days per 1,000 live births.

African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category. Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014

TITLE V INDICATOR TEMPLATE

INDICATOR: Neonatal Mortality Rate

DEFINITION: The number of infant deaths occurring at less than 28 days of age per 1,000 live births

NUMERATOR: The number of infant deaths occurring at less than 28 days of age, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVE:

Reduce the neonatal mortality rate to no more than 4.1 per 1,000 live births.
(Baseline: 4.5 per 1,000 live births in 2006) (Objective MICH-1.4)

RISK FACTORS:

Congenital anomalies; respiratory distress syndrome; short gestation; low birth weight; maternal complications; race/ethnicity (African American, Puerto Rican)

See also risk factors for infant mortality.

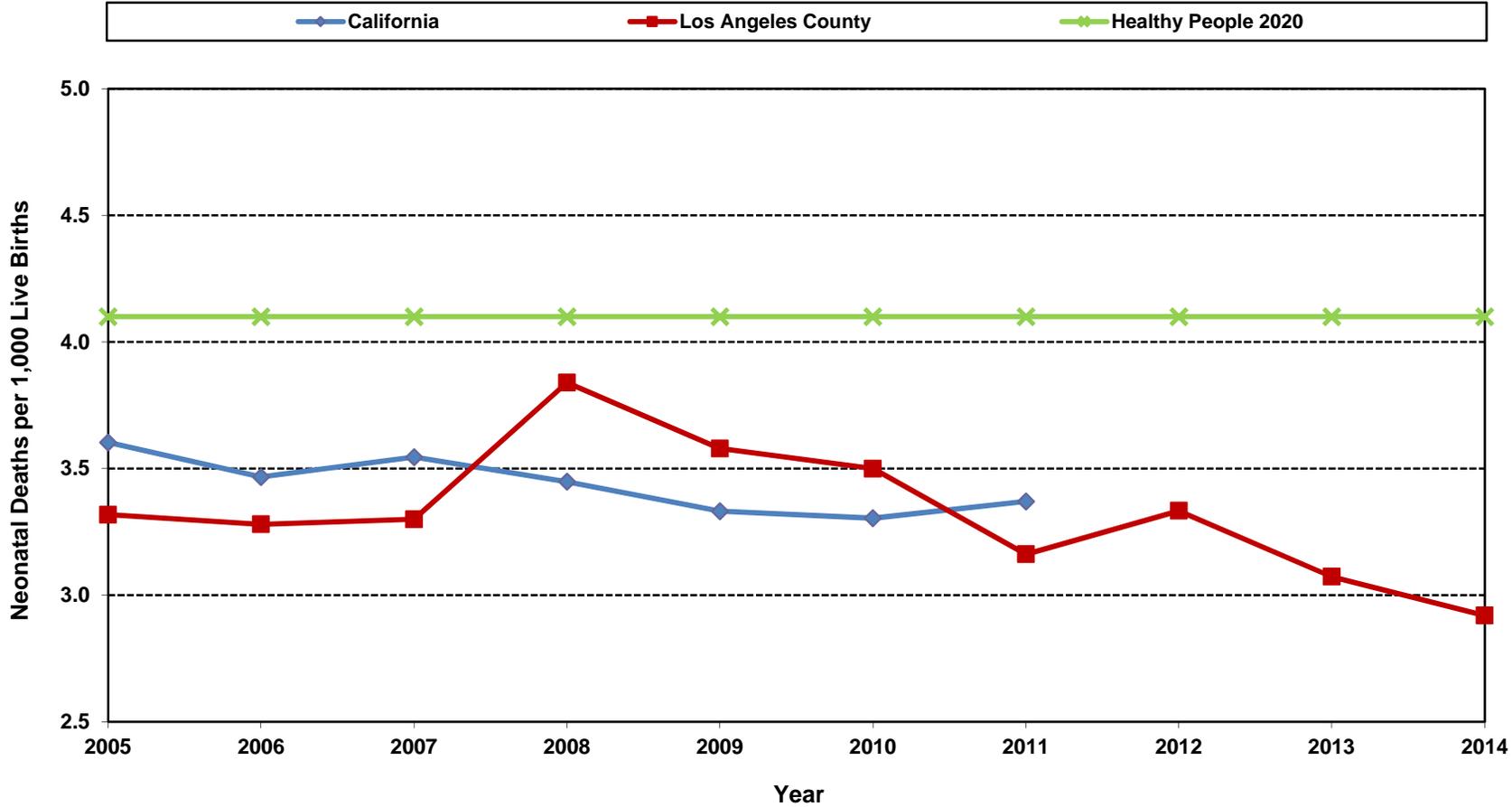
Year	California				Los Angeles County			
	Neonatal Mortality		95% Confidence Interval		Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
2005	1,977	3.6	3.4	3.8	499	3.3	3.0	3.6
2006	1,949	3.5	3.3	3.6	498	3.3	3.0	3.6
2007	2,007	3.5	3.4	3.7	501	3.3	3.0	3.6
2008	1,902	3.4	3.3	3.6	567	3.8	3.5	4.2
2009	1,755	3.3	3.2	3.5	500	3.6	3.3	3.9
2010	1,685	3.3	3.1	3.5	466	3.5	3.2	3.8
2011	1,692	3.4	3.2	3.5	412	3.2	2.9	3.5
2012	N/A	N/C	N/C	N/C	439	3.3	3.0	3.6
2013	N/A	N/C	N/C	N/C	395	3.1	2.8	3.4
2014	N/A	N/C	N/C	N/C	380	2.9	2.6	3.2

Year	Denominator: Live Births	
	California	LA County
2005	548,700	150,377
2006	562,157	151,837
2007	566,137	151,813
2008	551,567	147,684
2009	526,774	139,679
2010	509,979	133,160
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	128,526
2014	502,973	130,150

Note: California data for 2012 - 2014 not available (N/A) for retrieval. Rates are not calculated (N/C).

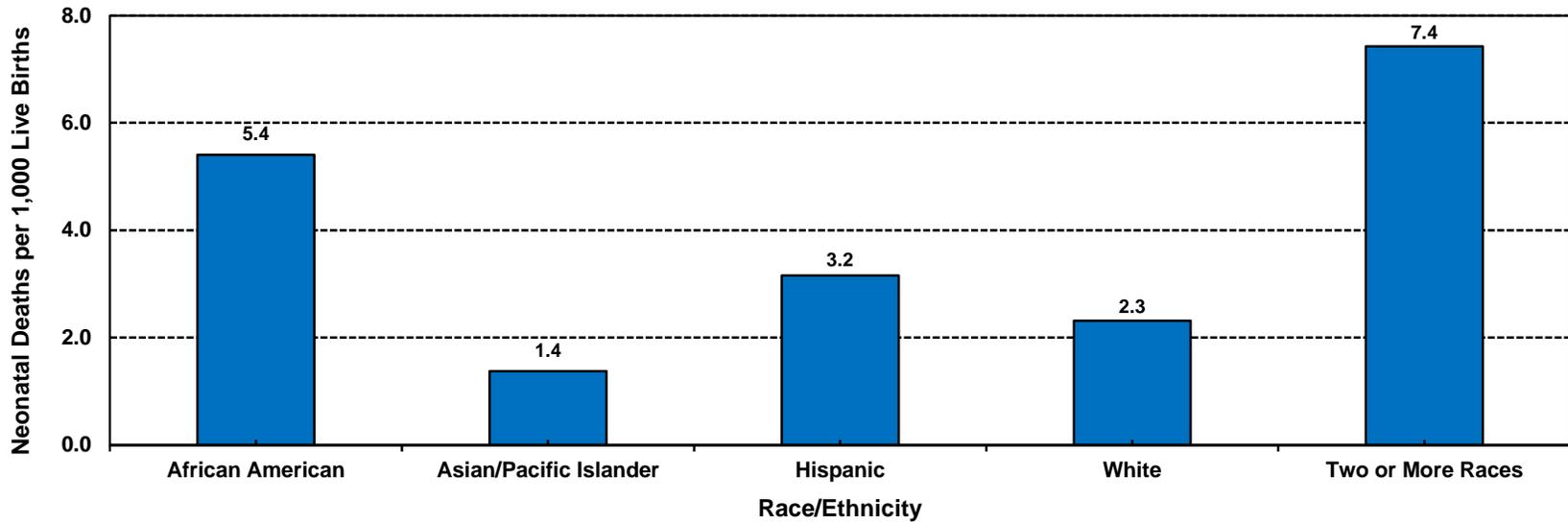
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014

Neonatal Deaths per 1,000 Live Births California vs. Los Angeles County, 2005-2014



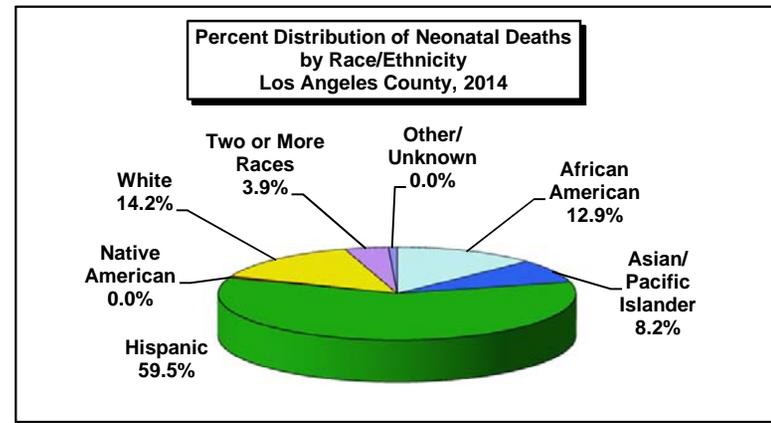
Year 2020 Objective: Reduce neonatal deaths to no more than 4.1 per 1,000 live births.
 Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014

Neonatal Mortality Rate by Race/Ethnicity Los Angeles County, 2014



Los Angeles County, 2014				
Race/Ethnicity	Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	49	5.4	3.9	6.9
Asian/Pacific Islander	31	1.4	0.9	1.9
Hispanic	226	3.2	2.7	3.6
Native American	<5	N/C	N/C	N/C
White	54	2.3	1.7	2.9
Two or More Races	15	7.4	3.7	11.2
Other/Unknown	<5	N/C	N/C	N/C
Total	380	2.9	2.6	3.2

Total Live Births
9,069
22,586
71,566
143
23,327
2,020
1,439
130,150



Year 2020 Objective: Reduce neonatal deaths to no more than 4.1 per 1,000 live births.

Note: Neonatal mortality rate is defined as infant deaths occurring less than 28 days per 1,000 live births.

African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category. Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014

TITLE V INDICATOR TEMPLATE

INDICATOR: Post-Neonatal Mortality Rate

DEFINITION: The number of infant deaths occurring from 28 through 364 days of age per 1,000 live births

NUMERATOR: The number of infant deaths occurring from 28 through 364 days of age, by place of residence, in a calendar year

DENOMINATOR: The total number of live births, by place of residence, in a calendar year

HEALTHY PEOPLE 2020 OBJECTIVE:

Reduce the post-neonatal mortality rate to no more than 2.0 per 1,000 live births.
(Baseline: 2.2 per 1,000 live births in 2006) (Objective MICH-1.5)

RISK FACTORS:

Congenital anomalies; injuries; infection in late pregnancy; family history of SIDS; maternal smoking or drug use; young maternal age (teen births); race/ethnicity (African American, Puerto Rican)

See also risk factors for infant mortality.

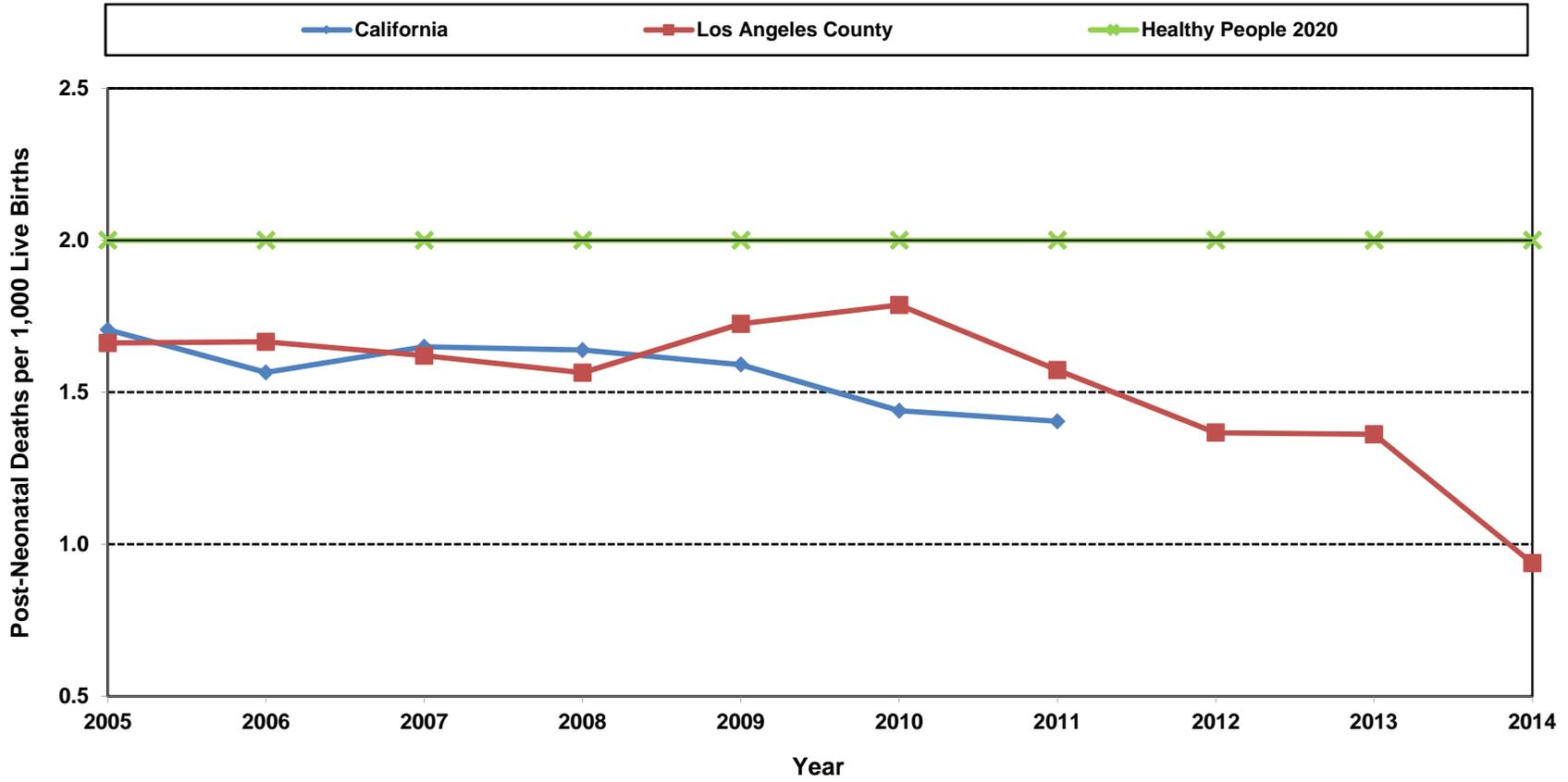
Year	California				Los Angeles County			
	Post-Neonatal Mortality		95% Confidence Interval		Post-Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper	Deaths	Rate	Lower	Upper
2005	936	1.7	1.6	1.8	250	1.7	1.5	1.9
2006	880	1.6	1.5	1.7	253	1.7	1.5	1.9
2007	934	1.6	1.5	1.8	246	1.6	1.4	1.8
2008	904	1.6	1.5	1.7	231	1.6	1.4	1.8
2009	838	1.6	1.5	1.7	241	1.7	1.5	1.9
2010	734	1.4	1.3	1.5	238	1.8	1.6	2.0
2011	705	1.4	1.3	1.5	205	1.6	1.4	1.8
2012	N/A	N/C	N/C	N/C	180	1.4	1.2	1.6
2013	N/A	N/C	N/C	N/C	175	1.4	1.2	1.6
2014	N/A	N/C	N/C	N/C	122	0.9	0.8	1.1

Year	Denominator: Live Births	
	California	LA County
2005	548,700	150,377
2006	562,157	151,837
2007	566,137	151,813
2008	551,567	147,684
2009	526,774	139,679
2010	509,979	133,160
2011	502,023	130,313
2012	503,788	131,697
2013	494,392	128,526
2014	502,973	130,150

Note: California data for 2012 - 2014 not available (N/A) for retrieval. Rates are not calculated (N/C).

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2005-2014

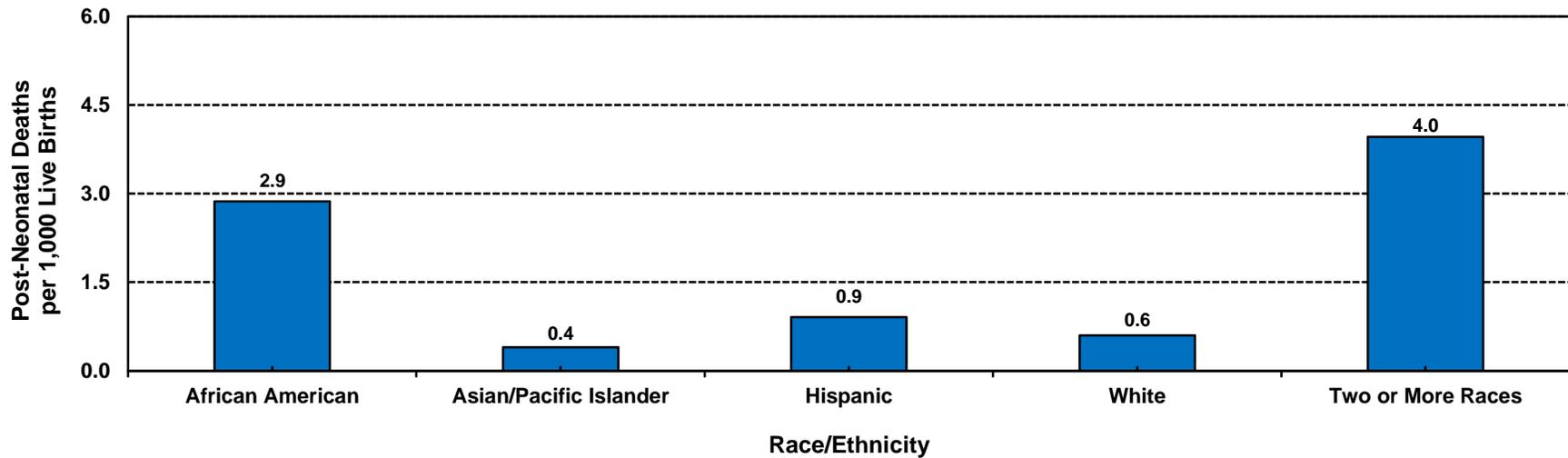
**Post-Neonatal Deaths per 1,000 Live Births
California vs. Los Angeles County, 2005-2014**



Year 2020 Objective: Reduce the post-neonatal deaths to no more than 2.0 per 1,000 live births.

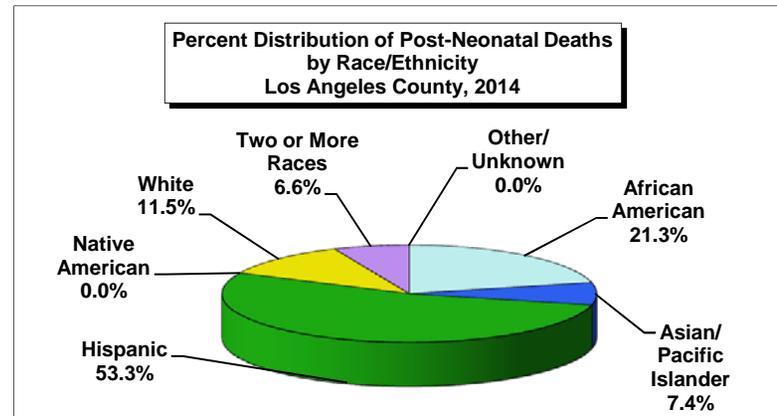
Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014

Post-Neonatal Mortality Rate by Race/Ethnicity Los Angeles County, 2014



Los Angeles County, 2014				
Race/Ethnicity	Post-Neonatal Mortality		95% Confidence Interval	
	Deaths	Rate	Lower	Upper
African American	26	2.9	1.8	4.0
Asian/Pacific Islander	9	0.4	0.1	0.7
Hispanic	65	0.9	0.7	1.1
Native American	<5	N/C	N/C	N/C
White	14	0.6	0.3	0.9
Two or More Races	8	4.0	1.2	6.7
Other/Unknown	<5	N/C	N/C	N/C
Total	122	0.9	0.8	1.1

Total Live Births
9,069
22,586
71,566
143
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2,020
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130,150



Year 2020 Objective: Reduce the post-neonatal deaths to no more than 2.0 per 1,000 live births.

Note: Post-neonatal mortality rate is defined as infant deaths occurring from 28 through 364 days of age per 1,000 live births.

African American, Asian/Pacific Islander, Native American, White and other races exclude Hispanic ethnicity. Hispanic includes any race category.

Numbers fewer than 5 are shown as "<5". Rates are not calculated (N/C) if number is fewer than five.

Source: California Department of Public Health, Center for Health Statistics, OHIR Vital Statistics Section, 2014